

Improving Access to Special Collections by Automating Descriptive Metadata Creation

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#ula2016

Covering today

Background information about Special Collections and Digital Library Services

Overview of ways we are processing data:

- Extracting data from finding aids for item level description in digital collections
- Extracting and Analyzing Names/Subjects in EAD
- EAD to MARC record transform through MARCEdit
- Techniques for working with legacy data

Resource page where you can download examples



[P0790 Shipler Studio Photograph Collection](#)

Special Collections at Marriott Library

- 6 departments: Print & Journal, Rare Books, Manuscripts, Photos, AV, University Records
- 4 depts. produce finding aids; each department produces own finding aids even if items come from same donor
- Finding aids published in [Archives West](#); 4,000 and counting
- Onsite storage; storage in Automated Retrieval Center; and offsite building



[P0244 Olive Woolley Burton Photograph Collection](#)

Special Collections at Marriott Library

- Despite the size of our collections, we have no Archival Management System
- Finding aids encoded by hand in XML
- Former process: EADs were printed out and hand-delivered to librarians in cataloging
- Doesn't make sense for metadata librarians to recreate item-level work that has already been done.
- Sought help of XSLT and MARCEdit wizards!



[University of Utah Archival Photograph Collection:
Departments -- Computer Science](#)

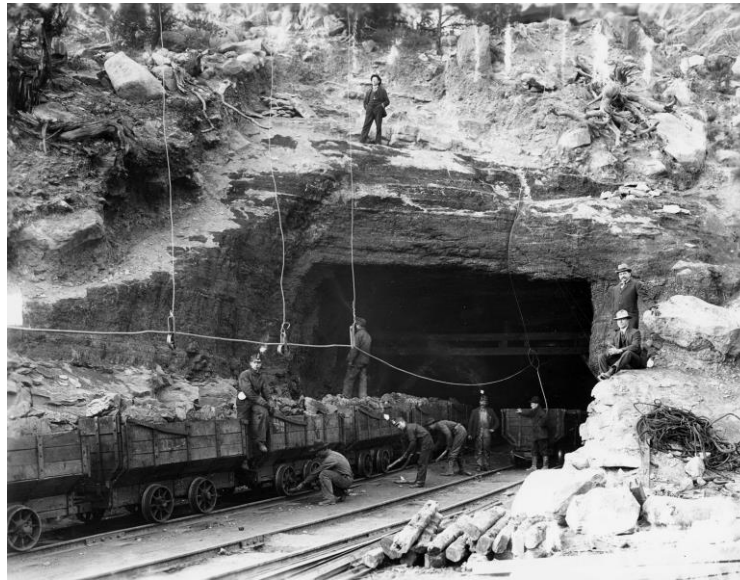
Technical background

- XSLT - Extensible Stylesheet Language Transformation - Used for transforming XML documents into other formats
- Excel formulas - allow you to extract and concatenate data in a variety of ways
- Low cost/free tools like Oxygen and MarcEdit
- Examples, tips, and learning resources at the end of the presentation!



[P0206 Rocky Mountain Power and Light Company
Photograph Collection](#)

Extracting descriptive metadata from EAD Finding Aids



Finding Aids

Saving the Legacy oral history project, 2001-2010

Overview of the Collection ▼

Collector	American West Center
Title	Saving the Legacy oral history project
Dates	2001-2010 (inclusive)
Quantity	32 boxes, (16 linear feet)
Collection Number	Accn2070
Summary	The American West Center, at the University of Utah, is involved in a nationwide effort to preserve the stories of men and women who witnessed the events of World War II. This oral history project, Saving the Legacy: An Oral History of Utah's World War II Veterans, has the mission of interviewing veterans living in Utah and the Intermountain Region. The American West Center later expanded their mission to include all war veterans.
Repository	University of Utah Libraries, Special Collections.

Container area of EAD = item level metadata

1	Dwaine Allred Dwaine Allred (b. 1924) discusses his childhood in Bingham Canyon, Utah, his enlistment in the Navy in December 1941, and his service on the submarine tender <i>USS Fulton</i> . 41 pages.
2	Allen S. Anderson Allen Anderson (b. 1925) grew up in the Sugarhouse area of Salt Lake City. He was drafted in March 1943 and entered the Army Air Corps. Anderson served in the 89th Air Service Group and the 500th Air Service Group in India. He recalls his experiences maintaining several different types of aircraft. 57 pages.
3	Soren Barrett Barrett (b. 1919) was a senior in college and a member of the Army ROTC when the United States entered the war. He transferred to the Air Corps and was stationed at Kimbolton, England. 33 pages.
4	Eldon Baxter Baxter (b. 1920) grew up in Idaho and joined the Idaho National Guard at seventeen. He was released in 1942 and joined the army, where he volunteered for the Special Service Force. He served in Italy, France, and Norway. 29 pages.

Structure of EAD makes it easy to extract data

```
<did>
  <container type="folder">1</container>
  <unittitle encodinganalog="title">
    <emph render="bold">Dwaine Allred</emph>
  </unittitle>
</did>
<scopecontent encodinganalog="description">
  <p>Dwaine Allred (b. 1924) discusses his childhood in Bingham Canyon, Utah, his enlistment in the Navy in December 1941,
</scopecontent>
</c02>
<c02 level="file">
  <did>
    <container type="folder">2</container>
    <unittitle encodinganalog="title">
      <emph render="bold">Allen S. Anderson</emph>
    </unittitle>
  </did>
  <scopecontent encodinganalog="description">
    <p>Allen Anderson (b. 1925) grew up in the Sugarhouse area of Salt Lake City. He was drafted in March 1943 and entered t
  </scopecontent>
</c02>
<c02 level="file">
  <did>
    <container type="folder">3</container>
    <unittitle encodinganalog="title">
      <emph render="bold">Soren Barrett</emph>
    </unittitle>
  </did>
  <scopecontent encodinganalog="description">
    <p>Barrett (b. 1919) was a senior in college and a member of the Army ROTC when the United States entered the war. He tra
  </scopecontent>
</c02>
```

XSLT (Extensible Stylesheet Language Transformations)

```
<xsl:value-of select="did/container" />
<xsl:text>#x9;</xsl:text>

<!-- unittitle -->
<xsl:value-of select="did/unittitle" />
<xsl:text>#x9;</xsl:text>

<!-- description -->
<xsl:value-of select="normalize-space(scopecontent)" />
<xsl:text>#x9;</xsl:text>

<!-- date -->
<xsl:value-of select="did/unitdate" />
<xsl:text>#xa;</xsl:text>
</xsl:for-each>
```

Using Oxygen to extract metadata

```
1 1 Dwaine Allred Dwaine Allred (b. 1924) disc
2 1 Allen S. Anderson Allen Anderson (b. 1925)
3 1 Soren Barrett Barrett (b. 1919) was a seni
4 1 Eldon Baxter Baxter (b. 1920) grew up in I
5 1 Dorothy J. Beutler Dorothy Beutler (b. 1924)
6 1 Ray E. Brim Brim (b. 1922) volunteered for th
7 1 Charles and Frieda Bytheway Charles (b. 1926)
8 1 Mark Cooper Mark Cooper (b. 1915) enlisted in
9 1 Norma A. Day Norma Anderson Day (b. 1923)
10 1 Eliza R. Fife Eliza Fife was born in Switze
11 1 Royce Flandro Flandro (b. 1922) was in the
12 1 Delbert H. Fowler Fowler (b. 1924) joined t
13 2 1 Paul Franke Franke (b. 1919) recalls growing
14 2 2 Austin Garner Garner (b. 1919) recalls grow
15 2 3 Lucile Georgell Born in Salt Lake in 1925, Ge
16 2 4 Vern Glade Glade (b. 1920) was drafted into
17 2 5 Joan Gould Joan Gould (b. 1919) took her nur
18 2 6 Conrad O. Hansen Hansen (b. 1923) recalls
19 2 7 Masami Hayashi Hayashi (b. 1923) recalls gre
20 2 8 Cora Lee Johnson Cora Lee Johnson (b. 1926)
21 2 9 Dennis Johnson Dennis Johnson (b. 1921) rec
22 2 10 Frank Johnson Frank Johnson (b.1917) enlist
23 2 11 Wayne Kimball Wayne Kimball (b. 1925) remir
24 3 1 James and Jeanne Konishi James Konishi (b.
25 3 2 Jun Kurumada Jun Kurumada (b. 1913) gradu
26 3 3 Charles K. Laver Charles Laver (b. 1922) i
```

Currently we process this file
with formulas in Excel

We could rewrite the XSLT
to handle this sort of
transformation too

Excel for additional processing

See our sample spreadsheet for formulas you can repurpose!

E	F	G	H	I	J	K	L
Date	Extent	Creator Name revised	Birth Date	Creator Name	Subject with Birth Date		
1985	78 pages;	Agraz, Jess	1940	Agraz, Jess, 1	Agraz, Jess, 1940- --Interviews		
1984	28 pages;	Alvera, Rebecca Florez	1925	Alvera, Rebe	Alvera, Rebecca Florez, 1925- --Interviews		
1985 1988	161 pages;	Archuleta, Robert	1930	Archuleta, R	Archuleta, Robert, 1930- --Interviews		
d in an ethni	43 pages;	Benavidez, Helen Salazar	1918	Benavidez, H	Benavidez, Helen Salazar, 1918- --Interview		
1985	28 pages;	Cordova, Carl	1925	Cordova, Car	Cordova, Carl, 1925- --Interviews		
1984	80 pages;	Florez, Bobby Marguerita	1922	Florez, Bobby	Florez, Bobby Marguerita Valdez, 1922- --Ir		
1984	190 pages;	Florez, John	1932	Florez, John,	Florez, John, 1932- --Interviews		
1985	55 pages;	Garcia, Cruz Campero	1919	Garcia, Cruz	Garcia, Cruz Campero, 1919- --Interviews		
1985	108 pages;	Garcia, Manuel	1909	Garcia, Manu	Garcia, Manuel, 1909- --Interviews		
1984	34 pages;	Gomez, Clotilda "Tilly"	1918	Gomez, Cloti	Gomez, Clotilda "Tilly", 1918- --Interviews		
1984	42 pages;	Gomez, Rueben Rameros	1913	Gomez, Ruek	Gomez, Rueben Rameros, 1913- --Interview		

Extracting and Analyzing Names/Subjects in EAD



XSLT to extract data

```
<xsl:template match="/">
  <xsl:for-each select="ead:controlaccess/corpname">
    <xsl:text>corpname</xsl:text><xsl:value-of select="$tab"/>
    <xsl:value-of select="text()" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@encodinganalog" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@source" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@rules" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@role" /><xsl:value-of select="$newline"/>
  </xsl:for-each>
  <xsl:for-each select="ead:controlaccess/persname">
    <xsl:text>persname</xsl:text><xsl:value-of select="$tab"/>
    <xsl:value-of select="text()" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@encodinganalog" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@source" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@rules" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@role" /><xsl:value-of select="$newline"/>
  </xsl:for-each>
  <xsl:for-each select="ead:controlaccess/subject">
    <xsl:text>subject</xsl:text><xsl:value-of select="$tab"/>
    <xsl:value-of select="text()" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@encodinganalog" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@source" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@rules" /><xsl:value-of select="$tab"/>
    <xsl:value-of select="@role" /><xsl:value-of select="$newline"/>
  </xsl:for-each>

```

Create spreadsheets of the data

corpname	10th Mountain Division Association--Archives	subject	lcnaf		subject
corpname	A. S. U. U. Executive Council	subject	aacr2	aacr2	subject
subject	Aaronic Priesthood (Mormon Church)	subject	lcsh		
subject	Aaronic priesthood (Mormon Church)--History of doctrines--19th century	subject	lcsh		
persname	Abernathy, Enna	subject	lcnaf		subject
subject	Abortion--Law and legislation--Utah	subject	lcsh		
persname	Abravanel, Maurice, 1903-	subject	lcnaf		subject
persname	Abravanel, Maurice, 1903-	subject	lcnaf		
persname	Abravanel, Maurice, 1903-1993	subject	lcnaf		subject
persname	Abravanel, Maurice, 1903-1993	contributor	lcnaf		contributor
persname	Abravanel, Maurice, 1903-1993--Correspondence	subject	lcnaf		subject
persname	Abravanel, Maurice, 1903-1993--Interviews	subject	lcnaf		subject
persname	Abravanel, Maurice, 1903-1993	subject	lcnaf		subject
genreform	Abstracts	type	aat		
subject	Academic freedom--Utah		lcsh		
subject	Academic freedom--Utah--History--Sources		lcsh		
subject	Academic freedom--Utah--Provo	subject	lcsh		
subject	Academic freedom--Utah--Provo	subject	lcsh		
subject	Academic freedom--Utah--Provo	subject	lcsh		
subject	Academic libraries - Utah--Salt Lake City	subject	lcsh		

Deduplicate to see most commonly used values

persname	Thomson, Ralph D.	3	aacr2
persname	Woodruff, Douglas O.	3	aacr2
persname	Woodruff, Wilford, 1807-1898	3	lcnaf
persname	Young, Brigham, 1801-1877--Archives	3	lcnaf
persname	Bennett, Wallace F. (Wallace Foster), 1898-	4	lcnaf
persname	Cooley, Everett L.	4	lcnaf
persname	De Voto, Bernard Augustine, 1897-1955	4	lcnaf
persname	Dixon, John A.	4	lcnaf
persname	Emery, Alfred C., 1919-	4	lcnaf
persname	Grant, Heber Jeddy, 1856-1945	4	lcnaf
persname	Monson, Charles H.	4	lcnaf
persname	Morgan, Dale Lowell, 1914-1971--Correspondence	4	lcnaf
persname	Morris, Joseph, 1824-1862	4	lcnaf
persname	Newell, L. Jackson, 1938-	4	lcnaf
persname	Talmage, James Edward, 1862-1933	4	lcnaf
persname	Taylor, John, 1808-1887	4	lcnaf
persname	Smoot, Reed, 1862-1941	5	lcnaf
persname	McMurrin, Sterling M.	6	lcnaf
persname	McKay, David Oman, 1873-1970	7	lcnaf
persname	Madsen, Brigham D.	8	lcnaf
persname	Young, Brigham, 1801-1877	14	lcnaf
persname	Smith, Joseph, 1805-1844	28	lcnaf

Reconcile using OpenRefine

Heading used in EAD	# of times used	Vocabulary	LCNAF	id.loc.gov URI	Updated Heading?
Smith, Joseph, 1805-1844	28	lcnaf	Smith, Joseph, Jr., 1805-1844	http://id.loc.gov/authorities/names/n79006976	Updated
Young, Brigham, 1801-1877	14	lcnaf	Young, Brigham, 1801-1877	http://id.loc.gov/authorities/names/n50013614	
Madsen, Brigham D.	8	lcnaf	Madsen, Brigham D.	http://id.loc.gov/authorities/names/n79054796	
McKay, David Oman, 1873-1970	7	lcnaf	McKay, David O. (David Oman), 1873-1970	http://id.loc.gov/authorities/names/n50013514	Updated
McMurrin, Sterling M.	6	lcnaf	McMurrin, Sterling M.	http://id.loc.gov/authorities/names/n50012919	
Smoot, Reed, 1862-1941	5	lcnaf	Smoot, Reed, 1862-1941	http://id.loc.gov/authorities/names/n86071142	
Bennett, Wallace F. (Wallace Foster), 1898-	4	lcnaf	Bennett, Wallace F. (Wallace Foster), 1898-1993	http://id.loc.gov/authorities/names/n87870686	Updated
Cooley, Everett L.	4	lcnaf	Cooley, Everett L.	http://id.loc.gov/authorities/names/n81028095	
Grant, Heber Jeddy, 1856-1945	4	lcnaf	Grant, Heber J. (Heber Jeddy), 1856-1945	http://id.loc.gov/authorities/names/n79055813	Updated
Monson, Charles H.	4	lcnaf	Monson, Charles H.	http://id.loc.gov/authorities/names/nr2002006595	
Talmage, James Edward, 1862-1933	4	lcnaf	Talmage, James E. (James Edward), 1862-1933	http://id.loc.gov/authorities/names/n80120730	Updated
Taylor, John, 1808-1887	4	lcnaf	Taylor, John, 1808-1887	http://id.loc.gov/authorities/names/n84135161	
Engen, Alf	3	lcnaf	Engen, Alf, 1909-1997	http://id.loc.gov/authorities/names/nr2002015399	Updated
Engen, Sverre	3	lcnaf	Engen, Sverre	http://id.loc.gov/authorities/names/no2004053340	
Erdman, Robert Lee	3	aacr2	Erdman, Robert L. (Robert Lee), 1927-	http://id.loc.gov/authorities/names/no2009150500	Updated
Frobes, Virginia P.	3	lcnaf	Frobes, Virginia P.	http://id.loc.gov/authorities/names/no2010164399	
Gardner, Pete Delos	3	lcnaf			
Grant, Claude W. (Claude Wilson)	3	aacr2			
Harwood, Ruth, 1896-1959--Archives	3	lcnaf	Harwood, Ruth, 1896-1959	http://id.loc.gov/authorities/names/n97861257	
Hodson, Paul W.	3	lcnaf	Hodson, Paul W.	http://id.loc.gov/authorities/names/n87839923	
Jensen, Bruce Herbert	3	aacr2			
Johnson, Sonia	3	lcnaf	Johnson, Sonia	http://id.loc.gov/authorities/names/n81044588	
Kelen, Leslie G.	3	lcnaf	Kelen, Leslie G., 1949-	http://id.loc.gov/authorities/names/n87935689	Updated
Kingsbury, Joseph Thomas, 1853-1937	3	aacr2			
Lee, J. Bracken (Joseph Bracken), 1899-	3	lcnaf	Lee, J. Bracken (Joseph Bracken), 1899-1996	http://id.loc.gov/authorities/names/n82165756	Updated

Uses for this type of data

- Identify NACO work to be completed
- Find inconsistencies in name/subject usage
- Identify typos or other problems to fix



EAD to MARC using XSLT and MarcEdit



[P0206 Rocky Mountain Power and Light Company
Photograph Collection](#)

Generating MARC records from EAD

Since we don't have an archival management system to handle this automatically, this is a functional workaround.

Take EAD, run transform in MarcEdit with local stylesheet, edit the resulting draft MARC record to meet local standards.

MarcEdit -- Your complete *free* MARC editing utility



XSLT to transform XML to MARC

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  exclude-result-prefixes="xs"
  version="2.0">
  <xsl:output method="text" />
  <xsl:strip-space elements="*" />
  <xsl:template match="ETD_records">
    <xsl:param name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'"/>
    <xsl:param name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'"/>

    <xsl:for-each select="DISS_submission">
      <xsl:text>LDR 00000ntm 22000000Ii 4500&#xa;</xsl:text>
      <xsl:text>005 20151124123456.0&#xa;</xsl:text>
      <xsl:text>008 151124s</xsl:text>
      <xsl:value-of select="normalize-space(DISS_description/DISS_dates/DISS_comp_date)" />
      <xsl:text>xx a bm 000 0 eng d&#xa;</xsl:text>

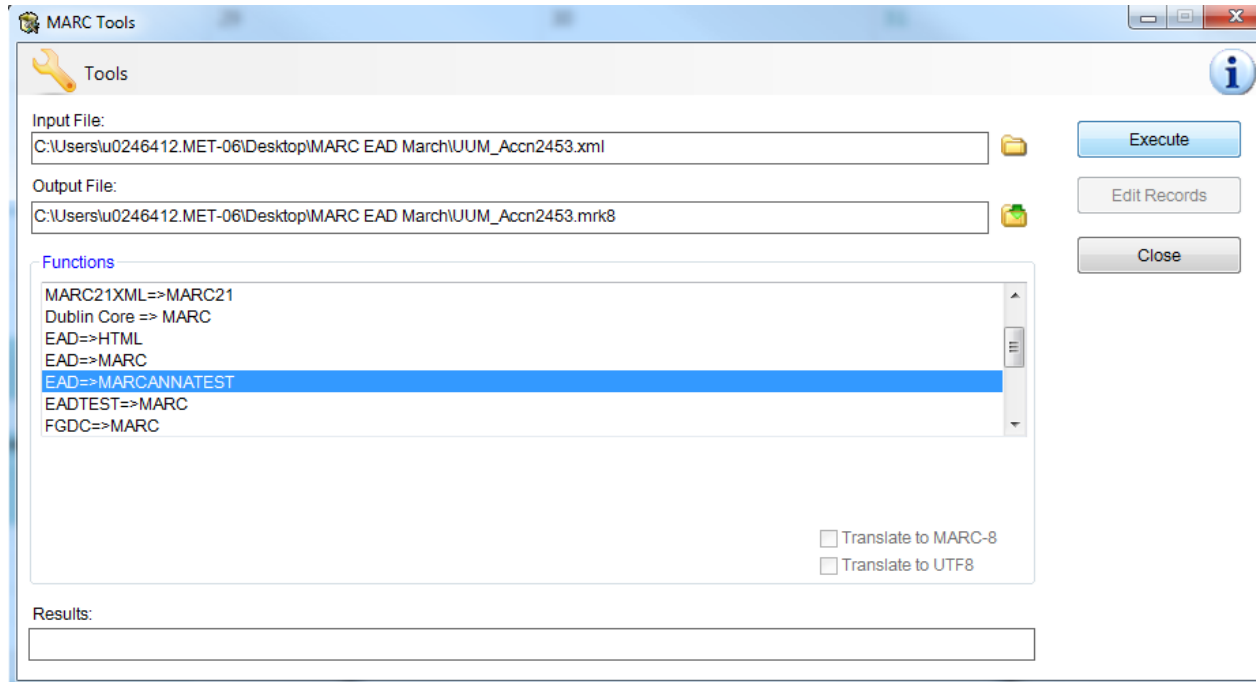
      <xsl:text>040 \\$aUUM$beng$erda$cUUM&#xa;</xsl:text>

      <xsl:text>100 1\\$a</xsl:text>
      <xsl:value-of select="normalize-space(concat(substring(DISS_authorship/DISS_author/DISS_name/DISS_surname, 1, 1), translate(substring(DISS_2), $uppercase, $lowercase)))" />
      <xsl:text>, </xsl:text>
      <xsl:value-of select="normalize-space(concat(substring(DISS_authorship/DISS_author/DISS_name/DISS_fname, 1, 1), translate(substring(DISS_au $uppercase, $lowercase)))" />
      <xsl:choose>
        <xsl:when test="DISS_authorship/DISS_author/DISS_name/DISS_middle !=null">
          <xsl:text> </xsl:text>
          <xsl:value-of select="normalize-space(concat(substring(DISS_authorship/DISS_author/DISS_name/DISS_middle, 1, 1), translate(substring(DISS_authorship/DISS_author/DISS_name/DISS_middle, 2), $uppercase, $lowercase)))" />
        </xsl:when>
      </xsl:choose>
    </xsl:for-each>
  </xsl:template>
</xsl:stylesheet>
```

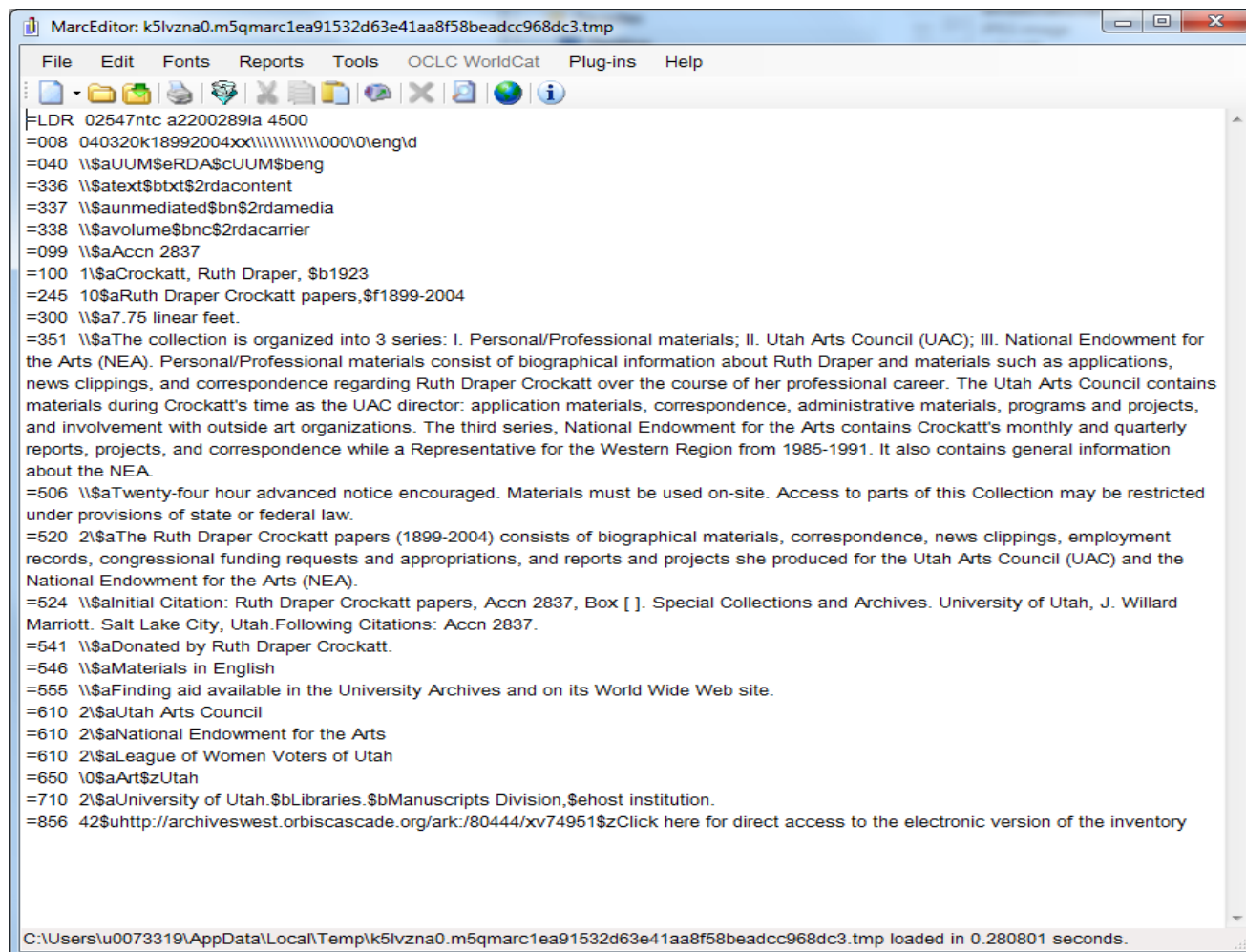
Generating MARC records from EAD



Use MARC Tools to load custom XSLT



Generate MARC record for editing



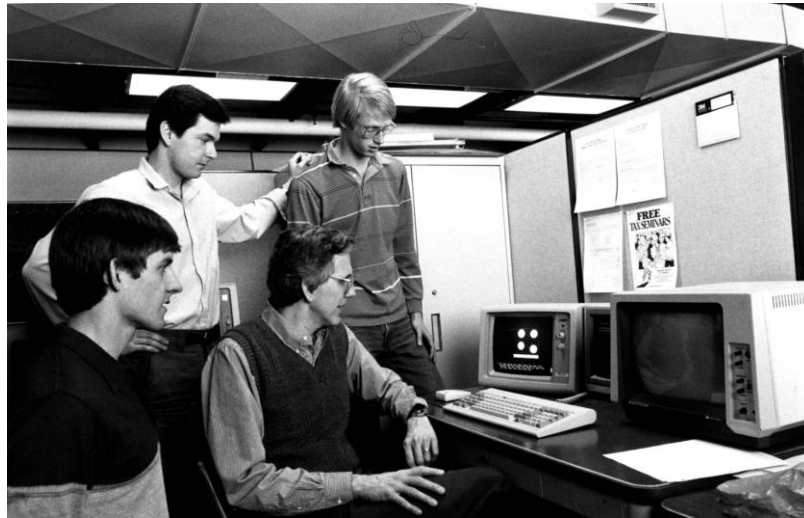
Working with Legacy Data



[P0305 University of Utah Archives Photograph Collection – A-Fa. -- Thomas Stockham](#)

Working with legacy data

- Improves access to collections
- Gives archivists more accurate data on items/formats in the collection
- Helps archivists assess which items most in need of preservation/digitization



AV Archives Legacy Metadata (the “before” shot)

HILL AIR FORCE BASE FILMS -- INVENTORY

A0407 [NOTE: all films 16mm]

WORLD WAR II

- | | |
|----|---|
| 1 | Air Force Story. Maximum Effort, October 1943. |
| 2 | Air Power. Southwest Pacific, 1944 [film broken!] |
| 3 | Air Power. Kamikaze, 1945. |
| 4 | Air Power. Pacific Pattern. |
| 5 | Air Power. The Early Days |
| 6 | Air Power. Victory in Europe. |
| 7 | The Big Picture. Old Glory. |
| 8 | [no title]. Chapter XIV, Schweinfurt and Regensburg |
| 9 | [no title]. Europe. Bombing. |
| 10 | [no title]. Misc. World War II |

KOREAN WAR

- | | |
|----|---|
| 11 | Gun Camera Film, 1952. [newspaper in can] |
| 12 | Air Force Story. To the Yalu |

COLD WAR

- | | |
|----|---------------------------------|
| 13 | Air Power. Cold Decade. Airlift |
|----|---------------------------------|

- Hundreds of documents
- Still in WordPerfect format
- Somewhat structured

A little better with Notepad++

WORLD WAR II

- 1;Air Force Story. Maximum Effort.; October 1943.;
- 2;Air Power. Southwest Pacific.; 1944; [film broken!];
- 3;Air Power. Kamikaze; 1945.;
- 4;Air Power. Pacific Pattern.;
- 5;Air Power. The Early Days;
- 6;Air Power. Victory in Europe.;
- 7;The Big Picture. Old Glory.;
- 8;[no title]. Chapter XIV, Schweinfurt and Regensburg;
- 9;[no title]. Europe. Bombing.;
- 10;[no title]. Misc. World War II;

KOREAN WAR

- 11;Gun Camera Film; 1952.; [newspaper in can];
- 12;Air Force Story. To the Yalu;

COLD WAR

- 13;Air Power. Cold Decade. Airlift;
- 14;Lowell Thomas speech about air power.;
- 15;William Tell competition; 1965.

VIETNAM

- 16;Air Rescue;
- 17;Alone, Unarmed, and Unafraid: Tactical Reconnaissance in Southeast Asia.;
- 18;SEA: The Unique War;
- 19;The B-52 [in] Vietnam;
- 20;The Battle of Khe Sanh;
- 21;There is a Way. (F-105s);
- 22;[no title] Escape and Evasion Pt 1.;
- 23;[no title] Escape and Evasion Pt 2.;

F-16 FIGHTING FALCON

Even better with Excel...

			<>unitdate era="ce" calendar="gregorian" encodinganalog="date"		
1	<>unittitle encodinganalog="title">	<>container type="reel"	<>unittitle encodinganalog="title"		<>genreform
2	WORLD WAR II	1	Air Force Story. Maximum Effort.	October 1943.	16mm film
3	WORLD WAR II	2	Air Power. Southwest Pacific.	1944	[film broken!] 16mm film
4	WORLD WAR II	3	Air Power. Kamikaze	1945	16mm film
5	WORLD WAR II	4	Air Power. Pacific Pattern.		16mm film
6	WORLD WAR II	5	Air Power. The Early Days		16mm film
7	WORLD WAR II	6	Air Power. Victory in Europe.		16mm film
8	WORLD WAR II	7	The Big Picture. Old Glory.		16mm film
9	WORLD WAR II	8	[no title]. Chapter XIV, Schweinfurt and Regensburg		16mm film
10	WORLD WAR II	9	[no title]. Europe. Bombing.		16mm film
11	WORLD WAR II	10	[no title]. Misc. World War II		16mm film
12	KOREAN WAR	11	Gun Camera Film	1952	[newspaper in can] 16mm film
13	KOREAN WAR	12	Air Force Story. To the Yalu		16mm film
14	COLD WAR	13	Air Power. Cold Decade. Airlift		16mm film
15	COLD WAR	14	Lowell Thomas speech about air power.		16mm film
16	COLD WAR	15	William Tell competition	1965	16mm film
17	VIETNAM	16	Air Rescue		16mm film
18	VIETNAM	17	Alone, Unarmed, and Unafraid: Tactical Reconnaissance in Southeast Asia.		16mm film
19	VIETNAM	18	SEA: The Unique War		16mm film
20	VIETNAM	19	The B-52 [in] Vietnam		16mm film
21	VIETNAM	20	The Battle of Khe Sanh		16mm film
22	VIETNAM	21	There is a Way. (F-105s)		16mm film
23	VIETNAM	22	[no title] Escape and Evasion Pt 1.		16mm film
24	VIETNAM	23	[no title] Escape and Evasion Pt 2.		16mm film
25	F-16 FIGHTING FALCON	24	Bird of Prey copy 1		16mm film
26	F-16 FIGHTING FALCON	25	Bird of Prey copy 2		16mm film
27	F-16 FIGHTING FALCON	26	European Tour		16mm film
28	F-16 FIGHTING FALCON	27	Fighting Falcon copy 1		16mm film

Contents List in EAD

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <root>
3   <c01 level="item">
4     <did>
5       <container type="item">1</container type>
6       <unittitle encodinganalog="title">Crew Cuts</unittitle>
7
8       <physdesc>
9         <genreform>VHS</genreform>
10      </physdesc>
11    </did>
12    <scopecontent>Snowboarders and skateboarders perform bold tricks and soar off elevated jumps. They incorporate staircases,
railings, and even other riders into their tricks.</scopecontent>
13  </c01>
14  <c01 level="item">
15    <did>
16      <container type="item">2</container type>
17      <unittitle encodinganalog="title">Epiphany</unittitle>
18
19      <physdesc>
20        <genreform>VHS</genreform>
21      </physdesc>
22    </did>
23    <scopecontent>Features "the best local Utah Riders" snowboarding in the Wasatch Mountains and pulling off impressive tricks.
The music was provided by "The Stench," "Mayberry," "Seasons of the Spring," "Lugnut," and "Elbo Finn." </scopecontent>
24  </c01>
25  <c01 level="item">
26    <did>
27      <container type="item">3</container type>
28      <unittitle encodinganalog="title">GNU Meal</unittitle>
```

Conclusion

- Link to resource site:
<https://sites.google.com/site/specialcollectionsmetadat>
- Repurposing data can help streamline processes and speed up descriptive metadata creation.
- Eliminate time spent reformatting or copying and pasting information.
- Doesn't require a great deal of technical background to implement these solutions.
 - If you are doing a great deal of copying and pasting there is probably an easier, more efficient way of doing this work.
 - Google your problem, you will be surprised at the helpful resources you can find.
- <http://www.libraryworkflowexchange.org/> - collects resources in this area.



[P0244 Olive Woolley Burton Photograph Collection](#)